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▼OL. XXXII. **NO**. 63

BOSTON, MASS., FRIDAY, DECEMBER 20, 1912

PRICE TWO CENTS

PROF. HAYWARD TO SPEAK TONIGHT

Relation of Testing Laboratory to Manufacturing Engineer Explained.

This evening at 8 o'clock Prof. Harrison W. Hayward will speak before the American Society of Mechanical Engineers in the Edison Building at 39 Boylston street. His talk is to be on "The Testing Laboratory and the Constructing Engineer," and all men inferested in this subject, whether members of the society or not, are cordially invited to attend.

Prof. Hayward is Professor of Theoretical and Applied Mechanics at the

oretical and Applied Mechanics at the Institute, and is very well liked by the men who have come into contact with him, especially those in Course II. He is also a very interesting

speaker.
In his address this evening he will describe various laboratories and outlines the way in which they are of service to the firms maintaining them. He will endeavor to show the practical value of the testing laboratory to the engineers connected with large manufacturing plants. Prof. tory to the engineers connected with large manufacturing plants. Prof. Hayward will describe some of his experiences, illustrating lapses in engineering specifications which come under his notice, and illustrate them with lantern slides. By this means he hopes to bring out similar experiences and remarks from the men present during the usual informal discussion which will follow his address.

All Course II. men who attend the meeting will undoubtedly spend very pleasant evening.

CLASS HISTORIES.

December 30 Last Date to Submit Them to Technique, 1914.

All class histories for the 1914 Technique must be in not later than the Monday following Christmas vaca-tion. Several histories have been tion. Several histories have been submitted so far, but there is a very good opportunity to write an acceptable story. There is no limit to the number of words, but enough to cover three or four printed pages is the usual amount, and the more originality displayed in the story the better. These histories can be handed in either at the Carre or the Tachnique

either at the Cage or the Technique office, and those in charge wish it to be emphasized that December 30th is positively the final date.

MUSEUM OF FINE ARTS.

Next Sunday afternoon, December 22, two free lectures will be given at the Museum of Fine Arts, which will, no doubt, prove interesting to any Tech men who are in the city on that date. At 2.30 P. M., Mr. Vesper L. George will speak on "The Adaption of Design to Material" in the Western Art Corridor, and at 3 P. M. Mr. Francis S. Kershaw will meet visitors to the Exhibition of Recent Acquisitions in Far Eastern Art in the Forecourt Room. All who may be interested in these subjects are invited to attend.

HOCKEY PRACTICE.

All the members of the Varsity hockey team are requested to report for practice tonight at the Arena, at 7.15 sharp.

"WAS IT LOS" MUSICAL EXTRAVAGANZA SCORCS A TREMENDOUS SUCCESS.

Numbers Presented by Well-Known Eleven Institute Men. Chinese Students Furnish Two Acts.

night in Huntington Hall. The auditorium was crowded to the doors, and shuttlecock as played in his namany Freshmen were forced to stand to afford accommodation for the many and lovely ladies present. The acts were all good, although in the nature of things some of them had to be better than others. There were no star performers, and all deserve great commendation for the excellent manner in which they carried out their various parts. On form of the game is that in which the the excellent manner in which they carried out their various parts. On the whole the show was one of the finest ever presented at Technology, when the fact that there was no professional coach present to aid the actors in interpreting their parts is taken into consideration.

The parformance opened with sev-

The performance opened with several selections by the orchestra, which were very well received and applauded. The programs were lettered in the same way as the programs at Keith's Theatre, and in the intermisions at tell drops guited stage band sions a tall, dress-suited stage hand placed placards bearing the letter of the next performance at one side of the stage. It might be well to state in passing that these letters con-formed as much as possible to the laws of "primry mass," familiar to first-year men.

Act B was listed on the program as a "Low-brow Act," and indeed it was. It was a scene on the famous Barbary Coast in San Francisco, and depicted the interior of a dance hall. Seated at a piano was a typical tough, such as is known in New York as a "Bowery hard guy." This particular tough was hard guy." This particular tough was a great hand at the piano, however, and rattled off "Be My Little Bumble-Bee" in a way to bring tears of joy to the eyes of everyone in the audience. He was assisted by two beautiful (?) ladies seated at the tables, whose lovely soprano voices blended excellently with the tenor of another gentleman who took the solo part During the interims in the song a long-drawn shuffling waiter served an amber fluid from out of an evil-looking bottle. bottle.

The song concluded, the tough left the piano, his place being taken by another tough who looked a bit the worse for wear. Our first "hard-guy" worse for wear. Our first "hard-guy" waltzed over to one of the pseudo-ladies present, and the two of them ladies present, and the two of them proceeded to execute an imitable and most comical combination of the Texas Tommy, Grizzly Bear, Turkey Trot and other shocking dances. They were applicated to the echo and forced to come back and do the whole thing over again for the edification as well as the education of the vast audience.

After the "Combination" had been danced for the last time the tall, swallow-tailed stage-hand floated majestically across the stage, changed the letter to C and removed all the furniture to the background. Mr. T. Hsi,

Beauty, wit, merriment and song a native of China, then appeared, and were the features of the "Was Ist after a few words explanatory of his Los" musical extravaganza, held last act, proceeded to introduce the audinight in Huntington Hall. The audience to the mysteries of Battledore after a few words explanatory of his act, proceeded to introduce the audi-ence to the mysteries of Battledore are attached in such a way as to cause it always to fall right side up. The game is played by tossing the object into the air and then keeping it there by means of repeated kicks with the feet in a certain order. The simplest form of the game is that in which the feet are kicked only to the front, and requires agility of a very high order. From the simple form Mr. Hsi graduated, as it were, to the more complex forms, which require the feet to be kicked backwards and a spring into the air made at the same time. Mr. Hsi displayed remarkable skill in this version bearing the about the same time are the same time. exercise, keeping the shuttlecock in the air for long periods of time. He received loud and long applause.

Again, enter our fancy stage-hand!
This time the letter C was removed

Again, enter our lancy stage-hand! This time the letter C was removed and its logical follower, D, was substituted. Act D, consisting of the singing of several coon songs by a tall darky in extreme "peg-top, highwater" trousers. The songs were very well rendered and the general make-up of the actor was excellent. He was loudly applauded and called back several times. He was accompanied by Mr. Clark.

The fifth number was one of the most comical and laughable on the whole bill. It was a disappearing act and musical farce, ably presented by Messrs. Storke and Shedd. Two large packing cases were brought upon the stage, shown to be empty, and upended, one near the right-hand en trance and the other in the center. The magician then called for a volunteer from the audience to step up and demonstrate that the cases were

The magician then called for a volunteer from the audience to step up and demonstrate that the cases were really empty. Having done this he was requested to conceal himself in one case, and both were again lowered to the floor. Upon the firing of a pistol the volunteer would first appear in one case and then in the other. But unfortunately he got mixed ones. But unfortunately he got mixed once and appeared in both cases at the same time, which gave the whole act away. It was immediately seen that the volunteer from the audience was none other than our friend. Mr. Shodd none other than our friend, Mr. Shedd The gentleman in the other case proved to be Mr. Shedd's brother, who proved to be Mr. Shedd's brother, who is as like him as it is pssible for a brother to be. It seems that he had slipped into the case while it was upended, under cover of the handy piano. The Shedd brothers, to make up for their base deception of a trusting audience, next sang and danced the new "Technology Glide," which is sure to be one of the popular dances at all the society affairs during the coming year. A description of it is quite impossible in the limited space (Continued to Page 2, Col. 2.)

PRESIDENT GIVES INTERESTING TALK

Emphasizes Necessity and Importance of Good Religion.

Yesterday noon an unusually large number of men were gathered in the Union to hear President Maclaurin, who spoke under the auspices of the Technology Christian Association. The subject of his talk was the 'Re-

The subject of his talk was the 'Relation Between Science and Religion,' and he brought out very forcibly the great influence which a man's religion has on his whole life.

In opening, the President pointed out the many and various difficulties attending the successful administration of the T. C. A. He said that such an organization was needed here at the Institute as much as at any other place in the world, because of the inthe Institute as much as at any other place in the world, because of the influence it has on the later life of the men, most of whom will probably occupy prominent positions in their home communities. If he is to serve his fellow men to the best advantage a man must have high ideals and try to live up to them, and it is here that the Christian Association does its best work. President Maclaurin said that work. President Maclaurin said that he wished to congratulate the officers on what they have accomplished this

Continuing, the President emphasized the fact that the most important thing in a man's life is his religion. He may not call it a religion, but it is, nevertheless. This practical religion consists of what a man is aiming at, what he proposes to do and how he is consists of what a man is aiming at, what he proposes to do, and how he is going to do it. Since it influences the sclution of all daily problems, the choice of the best possible working religion is exceedingly important, as well as difficult, and in making his choice a man should put every form to a practical test and study the effect of this particular form on the lives of

to a practical test and study the effect of this particular form on the lives of those who have adopted it.

As an example of how greatly the method of attacking a problem influences its solution, the President pointed out that in the middle ages such a slight advance was made in science because attempts were made to solve the scientific problems in the wrong way, and not on account of the absence of great men. During the last sence of great men. During the last century the relations between science and religion have wholly changed, and it is being recognized that the usual tendency of the scientific man to ac-cept nothing as true unless proven so by experiment is the right attitude towards one's practical religion as well. President Maclaurin said that

(Continued to Page 2, Col. 1.)

WEATHER.

Forecast for Boston and vicinity: Friday fair; brisk to high westerly winds

CALENDAR.

Friday, December 20, 1912. 4.00—Senior Portfolio Nominations

Due at Cage.
6.30—Chemical Society Dinner— Union.

-Chemical Society Meeting-Lowell.

8.00--Mechanical Engineering Society Meeting—39 Boylston street.
7.15—Varsity Hockey Practice—

No issues of THE TECH Christmas

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Subscriptions, \$2.00 per year, in advance, Single copies, 2 cents.

FRIDAY, DECEMBER 20, 1912

We all know now that "Was Ist Los" is one of the finest vaudeville performances that we have ever seen, and best of all, we know that a good round sum has been cleared for ath-

Especial credit is due the management for the success of the affair, and every man who took an active part in the entertainment deserves congratulation.

The sort of loyalty that builds up Technology in all her departments has been evidenced in the numbers and spirit of the men who attended. Let us always push forward Technology with an effort that will ever increase.

T. C. A. TALK. (Continued from Page 1, Col. 4.)

this is the only way in which we may make it help rather than hinder us in

make it help rather than hinder us in our daily work.

In closing he said that the young men should not concern themselves so much with theories as with what they know will work well in practice, and we will most certainly get the most pleasure out of life by helping others—something for which there is always an opportunity.

The meeting broke up with a regular

The meeting broke up with a regular M. I. T. for President Maclaurin after it had been announced that the T. C. A. would secure a speaker as usual for the first Thursday of the New Year.

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CHEMICAL SOCIETY TO PLAY HOST TONIGHT

Will Entertain the Northeastern Branch of American Society.

Tonight the Union will be invaded by the members of the Northeastern Section of the American Chemical Society, for it is there that they will hold their joint dinner with the M. I. T. Chemical Society. Steward Colton is their joint dinner with the M. I. T. Chemical Society. Steward Colton is planning a feed that will give the visitors a cheerful view of eating as it is done here. Owing to the fact that "Was 1st Los" is hardly a thing of the past, the members of the Institute society will not attend the dinner in full force but to molecure. that many are planning to come to the meeting in 6 Lowell, which begins at 8 o'clock.

The speaker at the joint meeting will be Mr. Linn Bradley, of the Research Corporation of New York. He will illustrate his talk on the "Development of the Cottrell Electric Precipitation Processes" by slides and experimental demonstrations. This process makes possible the removal of suspended particles from gases with an ease and rapidity impossible by means of any mechanical process now

Besides coming for the dinner and the address, the members of the American Society are going to elect officers for the coming year, as this is their annual business meeting.

"WAS IST LOS."

(Continued from Page 1, Col.) afforded by these columns. Suffice to say that it has the Chicken Flip, the Tango, th Boston and all the other popular dances "backed clear off the boards" into oblivion.

boards" into oblivion.

To still further atone for their deception the brothers then proceeded to sing that popular little ditty entitled "Mrs. Brown Had a Double-Chin," to the tune of the "Rag-time Violin." It relates how Mrs. Brown took her double-chin to a beauty fakir. who gave her a bottle of "dope" with the explicit instructions to "rub it in." Mrs. Brown follows the advice and im-Mrs. Brown follows the advice and immediately discovers that she is raising a fine beard on her double-chin, which the barbers are unable to do anything with. This song excited prolonged laughter, and the Shedd brothers were applauded in a manner to make a professional actor jealous.

The sixth number was a complete surprise to the audience. Instead of the expected F, the tall carrier of the letters displayed a large card, on which was printed in enormous type "EXTRY." A single chain was placed in the center of the stage, and upon this Mr. Leslie Waterman seated himin the center of the stage, and upon this Mr. Leslie Waterman seated himself, mandolin in hand. His first number was a selection from the famous opera of La Preferencia. This selection bore a striking resemblance to that coon song known as "The Parson and the Bear." It even had the same words and tune and was, of course, very well received and applauded. The second selection was one of Chickhousen's Marches, and was a dainty little kissing song. Mr. Waterman has an excellent voice which carried to the far corners of the from with remarkable clearness.

After the "Extry" came the regular rumber, lettered F, as displayed by our tall friend of the dress-suit and furniture moving propensities. On the program it listed as a performance on the Chinese zither by Mr. F. T. Yeh. But Mr. Yeh is also a "cardshark" and entertained with various complicated and unexplainable card tricks. Mr. Yeh, himself, admits that it is only by means of supernatural nower that he is able to perform some

tricks. Mr. Yeh, himself, admits that it is only by means of supernatural power that he is able to perform some of the wonders which he exhibited. Having mystified his audience with his sleight-of-hand and supernatural phenomenon, Mr. Yeh next delighted (Continued to Page 3, Col. 1.)

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HANOVER, N. H.

"WAS IST LOS." (Continued from Page 2, Col. 2.)

them with his rendition of the "Waterlily," a Chinese melody, on the Chinese zither. This instrument, unlike our American zither, is played by striking the wires with padded bamboo sticks, and the effect obtained is indeed pleasing. Then, to illustrate another Chinese instrument, Mr. Yeh produced a sort of a mandolin, on which he repeated the "Waterlily" and then rendered our good old American "Yankee Doodle." He was loudly applauded.

Again appeared that mysterious sign, "EXTRY." This time it was a series of recitations by a tall, hand some young man with considerable series of recitations by a tall, hand-some young man with considerable talent along the impersonation line. He recited several short selections which were greatly appreciated. We will not print his name, having inad-vertently said he was handsome. Act J, which next appeared, was en-titled a Highbray Act decling with

operas. The "operas" consisted of various selections which may be heard various selections which may be heard around any fraternity house just before the dinner bell rings. These were rendered on the mandolin, piano, guitar, sawed-off fiddle and others of like breed. One novel stunt was to have one man do the fingering on one mandolin and the picking on another, while his partner did the fingering on the second and the picking on the first. Still another was to have one man play the piano until he came to a rest and then quickly change places with another man. It is suggested that this might be a good way of doing, for those musicians who play for ing, for those musicians who play for dances, thereby enabling us to dance in the Intercollegiate championship without bothering to wait for the match at long range. Five years ago orchestra to get rested between they were last on the list; two years dances.

to the place of tortal of a hot grate until he has satisfied his Satanic Majesty's craving for something to make him happy. He supplies this in the form of Tech Spirit, for which he later substitutes some Cross Lectures, thereby killing the poor devil and enabling all the other victory, in both the indoor and outdoor time to escape. Among them are Miss to escape, and will make a very credit while showing in each. Williams is the which he later substitutes some Cross
Lectures, thereby killing the poor
devil and enabling all the other victims to escape. Among them are Miss
Neatone, Grab's Secretary, Ed. Miller,
Prof. Phycko and Dean Bestone. The
parts were very well executed and
the gymnastic performances on the
slide-rule of Dean Bestone and Prof.
Phycko (Germain and Robinson) and
the coal-heaving operations of Ed.
Miller (Selfridge), as well as the or
atory of Miss Neatone (Lehmaier)
and the "I'm the guys" of Grab
(Peck) were especially worthy of
commendation. The poor defeated
devil (Hurst) also took his part with
great truth to life!

This year Technology will be represented by the best team in its history, in both the indoor and outdoor
leagues, and will make a very credit
able showing in each. Williams is the
only valuable man lost, but the new
material shows splendid prospects of
overcoming this disadvantage.
The club offers opportunities for
members to qualify under the National Rifle rulings for marksmen and
sharpshooters, indoors and at long
range, and also for the rating of expert and distinguished marksmen at
long range. Besides the medals and
linsignia that go to men holding these
qualifications, there are four regular
matches a year at long range, to

devil (Hurst) also took agreed truth to life!

The last number was the singing of the Cong by everybody. The the Stein Song by everybody. The audience then repaired to their various homes or to refreshment parlors, and all voted the show a tremendous and lasting success.

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TECH UNION BARBER SHOP

RIFLE CLUB HAS BRIGHT PROSPECTS

Matches Arranged - Team Has Use of First Corps Cadets' Range.

The Rifle Club has been in existence at the Institute for a long time, but has only been active for the five years since March, 1907. That year Technology was represented by a team which shot at Creedmore, Long Island, and which made a very creditable showing there. The membership was not large, but the men were very enthusiastic. Since then the number of members has been increasing constantly, while the facilities for practice have been improved and made less expensive each succeeding year. For example, in 1907, a range was hired which cost the team two dollars hired which cost the team two dollars per hour of practice; today any mem-ber of the club may practice three operas. The "operas" consisted of any kind for targets, range, amvarious selections which may be heard munition, or arms. The only expense

The next to the last number, letter the next year the men won tered K, was a burlesque scene in third place, and last year Tech finished second to the Massachusetts tribulations of Grab, who is sentenced to the place of torture on the top of a hot grate until he has satisfied his Satanic Majesty's craving for some with a M. A. C. man for the highest individual honors the score being 137.

qualifications, there are four regular matches a year at long range, to which all members are eligible, and geveral indoor matches.

The club will hold an annual match

with the Mass. Aggies alternately in Boston and Amherst. This year the Tech team will probably go to Amherst, and meet the M. A. C. men at their home range. Other matches of their home range. Other matches of a similar nature will be arranged as opportunity offers.

The first match of the indoor Intercollegiate League will be held on the
8th of January, or within a few days
after that date. The best ten men,
rated according to their attendance
at the range, and their ability to find
the center of the bull's-eye, will shoot
in all these series of matches, the
highest live scores counting as the
team's aggregate score. Appropriate
trophies will be awarded to the individual members of the winning team.
Further information regarding the
club and the opportunities it offers to The first match of the indoor Inter-

club and the opportunities it offers to its members may be secured by call-ing at the range any practice day or by leaving a note at the "Cage" for G. Haslam, secretary.

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FACULTY NOTICE.

The exercises of the Institute will be suspended during Christmas week, December 23rd to 28th, inclusive. A. L. MERRILL,

SENIOR Portfolio Nominations will be due at the Cage before 4 P. M. Friday, December 20.

FACULTY NOTICE.

Third-year problems in Physics Heat are returned now in the base-ment of Walker Building. (Signed) PROFESSOR NORTON.

SENIOR CLASS PIPES can be had in the Union today from 1 to 2

LOST—Slide rule in red leather case. Initials A. S. B. on lap of case and on rule. Reward at Cage for finder. (Fri-Saturday)

FACULTY NOTICES.

THE UNION DINING ROOM will be THE UNION DINING ROOM will be closed from December 22 to 29, inclusive, on account of the Christmas Holidays. During the same time the Social Room of the Union will be open daily from 11 A. M. to 9 P. M.

F. H. RAND, Bursar.

BEGINNING MONDAY, December 30, the Bursar's office will be open daily for the transaction of business from 9 A. M. to 1 P. M.

F. H. RAND, Bursar.

F. H. RAND, Bursar,

LOST—In Rogers Building Thursday evening, a lady's gold brace-let. Finder please return to TECH office and receive reward.

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